

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 71-16

WASTE DISCHARGE REQUIREMENTS
FOR
SANITARY DISTRICT NO. 6 OF MARIN COUNTY
BAHIA PLANT

The California Regional Water Quality Control Board, San Francisco Bay Region, finds that:

1. This Board prescribed requirements for Sanitary District No. 6 of Marin County-Bahia Plant, called the discharger below, in Resolution No. 70-72 on September 24, 1970.
2. The discharger submitted a report of waste discharge dated October 29, 1970 which proposes:
 - a. Expansion of the present plant capacity of less than 500 connections in stages to serve 8,000 persons or a flow of 0.8 mgd with ultimate abandonment when subregional facilities are constructed.
 - b. To place a dike across the outfall channel and construct an outfall with diffuser in the Petaluma River.
3. The Board adopted a water quality control plan for tidal waters inland from the Golden Gate and within the San Francisco Bay Region on March 26, 1970.
4. The beneficial uses of the Petaluma River are:

Water-skiing, wading, pleasure boating, fishing and marinas

Fish, shellfish and wildlife propagation and sustenance and waterfowl and migratory birds habitat and resting and reproduction or nesting

Navigation channels

Esthetic appeal.
5. Bahia is a water-oriented subdivision with tidal lagoons adjacent to the Petaluma River.
6. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge.
7. The Board in a public meeting February 25, 1971 heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED, the discharger shall comply with the following:

A. Waste Discharge Requirements

1. The treatment or disposal of waste shall not create a nuisance as defined in Section 13050(m) of the California Water Code.

2. The discharge shall not cause:

a. Floating, suspended, or deposited macroscopic particulate matter or foam in waters of the State at any place;

b. Bottom deposits or aquatic growths at any place;

c. Alteration of temperature, or apparent color beyond present natural background levels in waters of the State at any place;

d. Visible, floating, suspended or deposited oil or other products of petroleum origin in waters of the State at any place;

e. Waters of the State to exceed the following limits of quality at any point:

Dissolved oxygen

5.0 mg/l minimum

When natural factors cause lesser concentrations then this discharge shall not cause further reduction in the concentration of dissolved oxygen.

Dissolved sulfide

0.1 mg/l maximum

Nutrients

to be prescribed at earliest practicable date

Other substances

Any one or more substances in concentrations that impair any of the protected beneficial water uses or make aquatic life or wildlife unfit or unpalatable for consumption.

f. Waters of the State to exceed the following limits of quality at any place within one foot of the water surface:

pH

7.0 minimum

8.5 maximum

3. The waste discharge shall meet these quality limits at all times:

a. In any grab sample:

pH	6.5 minimum 8.5 maximum
Settleable Matter	
The arithmetic average of any six or more samples collected on any day	0.5 ml/l/hr., maximum
80% of all individual samples collected during maximum daily flow over any 30-day period	0.4 ml/l/hr., maximum
Any sample	1.0 ml/l/hr., maximum.

Coliform Organisms

Bacterial qualities to be achieved with respect to the related dilution ratio in the outfall channel whenever it is accessible to the public and at all places in the Petaluma River.

Volumetric Dilution
Bay water waste

Bacterial Quality

Equal to or greater than 100:1	That bacterial quality prescribed in Section 7958, Title 17, California Administrative Code.
Less than 100:1 but greater than 10:1	A median MPN of coliform organisms not in excess of 23/100 ml as determined from the results of the previous con- secutive 7 days for which analyses have been completed.
Equal to or less than 10:1	A median MPN of coliform organisms not in excess of 2.2/100 ml as determined from the results of the previous con- secutive 7 days for which analyses have been completed.

b. In any representative 24-hour composite sample:

Turbidity	10 units, maximum when volumetric dilution of Bay water to waste is equal to or less than 10:1.
Toxicity: the concentration of the waste itself in the receiving waters at any point within one foot of their surface	10 percent of the 96-hour TLM concentration of the waste as discharged, maximum

4. The discharge of waste at any point other than through the outfall and diffuser is prohibited.
5. The mean daily flow of waste for any month shall not exceed 0.8 mgd.

B. Provisions

1. This Order includes items numbered 1, 2, 3, 4, 6 and 7 of the attached "Reporting Requirements" dated August 28, 1970.
2. The requirements of Resolution No. 70-72 relative to the Bahia Plant are hereby rescinded when the proposed facilities have been completed.
3. This Order includes items numbered 1, 2, 3, 4, 5, 6 and 7 of the attached "Notifications" dated January 6, 1970.

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on February 25, 1971

Executive Officer